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QUALITY ANALYSES FOR INFORMED DECISIONS



To: Green Valley Agricultural
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For: WALNUTDALE

Attn: John Christian

PLANT ANALYSIS REPORT

Date Received: 9/25/2008 **Date Reported:** 9/26/2008

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Lab Number	Field	Sample ID	Plant Type	Plant Part	Date Sampled	Nitrate-Nitrogen ppm NO ₃ -N
269079	H-4 (b) (6)	(b) (6)	Corn	Stalk segment	09/24/2008	410
269080	(b) (6)	K-26A	Corn	Stalk segment	09/24/2008	860
269082	(b) (6)	MK-46A	Corn	Stalk segment	09/24/2008	430
269083	(b) (6)	MK-46B	Corn	Stalk segment	09/24/2008	2,020
269084	(b) (6)	MN-61A	Corn	Stalk segment	09/24/2008	1,950
269085	(b) (6)	MN-61B	Corn	Stalk segment	09/24/2008	870
269086	(b) (6)	MN-61C	Corn	Stalk segment	09/24/2008	3,250
269087	(b) (6)	MN-61D	Corn	Stalk segment	09/24/2008	1,300

NITRATE CONCENTRATION CATEGORIES

Nitrate-Nitrogen ppm NO ₃ -N	Rating	Interpretations (1-2 weeks after black layer)*
Less than 250 (ISU) Less than 450 (Purdue)	Low	Nitrogen was likely yield limiting during the growing season, especially if the test result is less than 250 ppm.
250 - 700 (ISU)	Marginal	Nitrogen supply may have limited yield
700 - 2,000 (ISU) 450 - 2,000 (Purdue)	Optimal	Grain yield was not limited by the amount of nitrogen available to the crop. (Note: The high end of this category is appropriate when nitrogen fertilizer costs are low and corn prices are high. The low end of this category is appropriate when nitrogen prices are high and corn prices are low.)
Greater than 2,000	Excess	Excessive nitrogen available to the crop, or some other production factor limited crop growth and yield.

* PM 1584, Iowa State University (ISU), 1996 and AY-322-W, Purdue University, 2003.